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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/677,443	09/29/2000	Tanmoy Dutta	MSFT-0204/155639.1	4418

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EXAMINER
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TRUONG, LECHI

ART UNIT	PAPER NUMBER
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2126

DATE MAILED: 01/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application N .

09/677,443

Applicant(s)

DUTTA ET AL.

Examiner

LeChi Truong

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 29 December 2000.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

1. This Office Action is in response to the amendment filed 11/24/2003. Claims 1-23 are presented for examination.

***Claim Rejections - 35 USC § 103***

2. Claims 1-3, 9, 10-16, 18-20, 22, 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Polcyn et al (US patent 5,930,792).

3. **As to claim 1**, Polcyn teaches the invention substantially as claimed including a server (Internet HTTP server, Fig. 1/ col 3, ln 15-67), at least one object (HTML documents, Fig. 1/ col 3, ln 15-67/ Fig. 3), one state selected (a given address link 0, col 3, ln 15-6 / the state mode, col 4, ln 1-50), a set of states (state machine, col 4, ln 1-45/links 0, 1,2,3,4,5,6, 7), state transitions (a state transition model labeled 60, col 30, ln 15-67), valid transaction (valid transaction, col 4, ln 1-50), indication of a current state of object (update itself as the current state or location of the requesting user, col 4, ln 26-50), a state selected( the state which indicates that the next tree document, col 2, ln 15-30), a request ( a document request, col 4, ln 1-50), a second computer (the HTML browser 110, col 4, ln 1-50), an indication of a current state (the state which indicates that the next tree document, col 2, ln 15-30 ), an indication of selected state transitions( the legal state transition , col 4, ln 1-50 perform ... based on selected state transactions( select the link to another document, col 3, ln 15-67).

Polcyn does not explicit teach the term “ maintaining”. However, Polcyn teaches saving the address of each link. It would have been obvious to apply the teaching of Policy for the purpose of maintaining in order to provide the object or set of state for the state transitions on a server.

Art Unit: 2126

4. **As to claim 2**, Polcyn teach a document (documents, col 3, ln 15-50).
5. **As to claim 3**, Polcyn teaches permissions granted (a legal state transistion, col 4, ln 1-26), the requestor (the request, col 4, ln 1-26).
6. **As to a computer-readable medium of claim 9**, see the rejection of claim 1.
7. **As to claim 10**, Polcyn teaches a server (Internet HTTP server, Fig. 1/ col 3, ln 15-67), a data structure (the hierarchical menu, col 4, ln 43-67), at least one object (HTML documents, Fig. 1/ col 3, ln 15-67/ Fig. 3), a set of objects (HTML documents 1,2, 3,4, col 3, ln 20-40), object management system (application state machine, col 4, ln 1-40), one state selected (a given address link 0, col 3, ln 15-6 / the state mode, col 4, ln 1-50), a current state (state machine, col 4, ln 1-45/links 0, 1,2,3,4,5,6, 7), set of state transitions ( a state transition model labeled 60, col 30, ln 15-67), an indication of at least the subset of transitions( valid transaction, col 4, ln 1-50), indication of a current state of object( update itself as the current state or location of the requesting user, col 4, ln 26-50),a state selected( the state which indicates that the next tree document, col 2, ln 15-30), a request ( a document request, col 4, ln 1-50), a subset of transactions( the legal state transition , col 4, ln 1-50 ), transitions out of the current state( select the link to another document, col 3, ln 15-67).

Polcyn does not explicit teach the term maintained a set of states However, Polcyn saving the address of each link. It would have been obvious to apply the teaching of Polcyn for the purpose of maintaining in order to provide set of state for the state transitions on a server.

8. **As to claim 11**, Polcyn teaches the current state (the state of the displayed document, col 3, ln 20-38), the at least one object (the displayed document, col 3, ln 20-

Art Unit: 2126

38), selected state (a link to another document, col 3, ln 20-38), a transition between states (the valid transition, col 4, ln 1-25, a state transition mode, col 3, ln 40-63).

9. **As to the object management of claim 12**, see the rejection of claim 2.

10. **As to claim 13**, Polcyn teaches a server (the HTTP server, col 3, ln 15-40), a network (telephone network 12, col 3, ln 15-30).

11. **As to claim 14**, Polcyn teaches the Internet (the internet, col 3, ln 15-40).

12. **As to claim 15**, Polcyn teaches a client (the HTML browser, col 3, ln 15-40), server (the HTTP server, col 3, ln 15-40), a subset of state transitions (a legal state transition/ the valid transition, col 4, ln 1-26), a user (the user, col 3, ln 34-52/ col 4, ln 42-50).

13. **As to the system of claim 16**, see the rejection of claim 4.

14. **As to the system of claim 18**, see the rejection of claim 8.

14. **As to claim 19**, Polcyn teaches an indication of a plurality objects (specific HTML document 1,2,3,4,5, col 3, ln 15-50), the object management system (the retrieve and transmitting document, col 4, ln 30-43), a request (a document request, col 4, ln 1-42), a selected one of the plurality of objects (the requested document, col 3, ln 15-38/ col 4, ln 5-26), a sever (the HTTP server, col 4, ln 5-26), a data structure (the hierarchical menu, col 4, ln 43-67), a set of state (the state which indicates the next document/ state machine, col 4, ln 1-45/links 0, 1,2,3,4,5,6, 7), states (state information/ corresponding state, col 2, ln 16-37, ln 58-68/ col 3, ln 7-29/ col 7, ln 15-32), a set of transition between state(a legal state transition, col 4, ln 1-45), a current state( state of the requested document which are labeled at given address link 0,...5, col 3, ln 40-50), an indication of a subset ... state (the corresponding state information, col 2, ln 58-68), transitions out of the

Art Unit: 2126

current state (select the link to another document, col 3, ln 15-67), a indication of operations (option is selected, col 3, ln 20-52), the subset of transitions (the legal state transition, col 4, ln 27-55). Polcyn does not explicit teach the term “ maintains” .

However, Polcyn teaches legal state transition define the relationship between these documents can be constrained (col 4, ln 30-50). It would have been obvious to apply the teaching of Polcyn for the purpose of maintaining in order to make the state transitions on a server more consistent.

**16. As to the method of claim 20,** see the rejection of claim 2.

**17. As to the method of claim 22,** see the rejection of claim 13.

**18. As to the method of claim 23,** see the rejection of claim 14.

**19. Claims 4, 21** are rejected under 35 U.S.C. 103(a) as being unpatentable over Polcyn et al (US patent 5,930,792) in view of APA (Admit Prior Art)

**20. As to claim 4,** Polcyn teaches the object (documents, col 3, ln 15-50 ). Polcyn does not teach operation. However, APA teaches check-in(page 2, ln 10-21).

It would have been obvious to apply the teaching of APA to Polcyn in order to access and manipulate the objects in a client –server environment.

**21. As to claim 21,** Polcyn does not teach the document check-out operations.

However, APA teaches the check-out operation (page 2, ln 10-22).

It would have been obvious to apply the teaching of APA to access and manipulate the objects in a client –server environment.

**22. Claims 5, 17** are rejected under 35 U.S.C. 103(a) as being unpatentable over Polcyn et al (US patent 5,930,792) in view of APA (Admit Prior Art) and further in view of Kato et al (method and device for expanding WW browser function).

Art Unit: 2126

**23. As to claim 5,** Polcyn does not teach a local language of the requestor. However, Kato teaches response information from a server in a language that can be interpreted by the browser 300 (page 1)

It would have been obvious to apply the teaching of Minow to Polcyn in order to provide the ability to easily identify the responses information from the server to client.

**24. As to the system of claim 17,** see the rejection of claim 5.

**4. Claims 6, 7, 8** are rejected under 35 U.S.C. 103(a) as being unpatentable over Polcyn et al (US patent 5,930,792) in view of Minow (US. Patent 6,418,464).

**25. As to claim 6,** Polcyn teaches another state (a link to another document, col 3, ln 20-50), the selected state transition (the valid transaction, col 4, ln 1-30).

Polcyn does not explicit teach the term a request to transition to the object to another state. However, Minow teaches the client request to server 202 and changes the state from ready 208 to active 210( col 9, ln 45-65).

It would have been obvious to apply the teaching of Minow to Polcyn in order to transition from one state to another by both client and server.

**26. As to claim 7,** Polcyn teaches the act of changing the state of object to the state (the link can be navigated to by any other link, col 3, ln 40-60/ one option is select a link to another document from displayed document, col 3, ln 20-38).

**27. As to claim 8,** Polcyn does not teach the table of states. However, Minow teaches (table 1, col 7).

It would have been obvious to apply teaching of Minow to Polcyn in order to make state transitions or state machine on the server more consistent.

#### **Response to the argument**

Art Unit: 2126

28. This action is in response to the argument filed on 11/24/2003.

29. Applicant argued "Polcyn teaches that a user move from one document to another only in a particular order".

30. Examiner respectfully traverses applicant's remarks:

Moving state of object in a particular order or not in a particular order is not in the claim limitation. The reference clearly teaches the changing the state of a particular object from one state to another state( col 3, ln 15-52). Thus, Polcyn's reference met the claim limitations.

31. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for response to this final action is set to expire THREE MONTHS from the date of this action. In the event a first response is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event will the statutory period for response expire later than SIX MONTHS from the date of this final action.

32. **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (703) 305 5312. The examiner can normally be reached on 8 - 5.



Art Unit: 2126

Fax phone: AFTER\_FINAL faxes must be signed and sent to: (703) 746-2738,  
OFFICIAL faxes must be signed and send to: (703) 746-7239, NON OFFICIAL faxes  
should not be signed, please send to: (703) 746-7240

Any inquiry of a general nature or relating to the status of this application or  
proceeding should be directed to the receptionist whose telephone number is 703 305  
9000.

LeChi Truong  
January 6, 2004



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